

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**


#3

Docket No.

ORT1060

Serial No.

09/434,965

Applicant

Alain T. Luxembourg et al

Filing Date

November 5, 1999

Group Art Unit

1644

U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
MO	5,521,288	28 MAY/96	Linsley et al			29 MAR 94
MO	5,595,881	21 JAN/97	Kendrick et al			9 AUG 94
MO	5,827,737	27 OCT/98	Peterson et al			24 JUN 96
MO	5,731,160	24 MAR/98	Malief et al			26 MAY 92
MO	5,583,031	10 DEC/96	Stern			2 FEB 92

FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

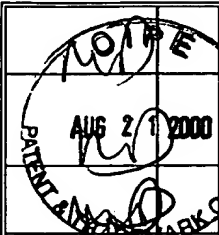


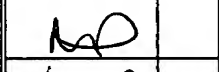


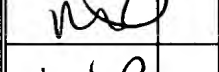
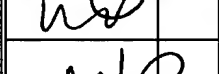
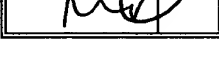
OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


MO		Agrawal GB, Linderman JJ (1996) Mathematical modeling of helper T lymphocyte/antigen-presenting cell interactions: analysis of methods for modifying antigen processing and presentation. J. Theor. Biol. 182, 487-504.
MO		Ashman RF (1973) Lymphocyte receptor movement induced by sheep erythrocyte binding. J. Immunol. 111, 212-220.
MO		Altman JD, Moss PAH, Goulder JPR, Barouch DH, McHeyzer-Williams MG, Bell JI, McMichael AJ, Davis MM (1996) Phenotypic analysis of antigen-specific T lymphocytes. Science 274, 94-96.
MO		Bellone G, Geuna M, Carbone A, Silvestri S, Foa R, Emanuelli G, Matera L (1995) Regulatory action of prolactin on the in vitro growth of CD34 ⁺ human hemopoietic progenitor cells. J. Cell. Physiol. 163, 221-231.
MO		Borrow P, Oldstone MBA (1997) Lymphocytic choriomeningitis virus. In: "Viral Pathogenesis", Neal Nathanson et al., ed. Lippincott-Raven Publishers, Philadelphia, pp. 593-627.
MO		Brinkman, Volker; Kinzel, Bernd; Kristofic, Colette. TCR-Independent Activation of Human CD4 ⁺ 45RO ⁺ T Cells by Anti-CD28 Plus IL-2; Induction of Clonal Expansion and Priming for a Th2 Phenotype. The Journal of Immunology, June 1, 1996, 156:4100-4106.
MO		Cai Z, Sprent J (1996) Influence of antigen dose and costimulation on the primary response of CD8 ⁺ T cells in vitro. J. Exp. Med. 183, 2247-2257.
MO		Cai Z, Brunmark A, Jackson MR, Loh D, Peterson PA, Sprent J (1996) Transfected <i>Drosophila</i> cells as a probe for defining the minimal requirements for stimulating unprimed CD8 ⁺ T cells. Proc. Natl. Acad. Sci. USA 93, 14736-14741.
MO		Corr M, Slanetz AE, Boyd LF, Jelonek MT, Khilko S, Al-Ramadi BK, Sang Kim Y, Maher SE, Bothwell ALM, Margulies DH (1994) T cell receptor-MHC class I peptide interactions: affinity, kinetics, and specificity. Science 265, 946-949.

Marianne J
2/17/01

MD	De Bruijn MLH, Nieland JD, Schumacher TNM, Ploegh HL, Kast WM, Melief CJM (1992) Mechanisms of induction of primary virus-specific cytotoxic T lymphocyte responses. Eur. J. Immunol. 22, 3013-3020.
MD	Dillon SR, Jameson SC, Fink PJ (1994) V β 5 ⁺ T cell receptors skew toward OVA + H-2K ^b recognition. J. Immunol. 152, 1790-1801.
MD	Engelhard VH (1994) Structure of peptides associated with MHC class I molecules. Current Opinion Immunol. 6, 13-23.
MD	Gold MR, DeFranco AL (1994) Biochemistry of B lymphocyte activation. Adv. Immunol. 55, 221-295.
MD	Grupp SA, Snow EC, Harmony JAK (1987) The phosphatidylinositol response is an early event in the physiologically relevant activation of antigen-specific B lymphocytes. Cell. Immunol. 109, 181-191.
MD	Hou S, Hyland L, Ryan KW, Portner A, Doherty, PC (1994) Virus-specific CD8 ⁺ T-cell memory determined by clonal burst size. Nature 369, 652-654.
MD	Irsch J, Irlenbusch S, Radl J, Burrows PD, Cooper MD, Radbruch AH (1994) Switch recombination in normal IgA ₁ ⁺ B lymphocytes. Proc. Natl. Acad. Sci. USA 91, 1323-1327.
MD	Jackson MR, Song ES, Yang Y, Peterson PA (1992) Empty and peptide-containing conformers of class I major histocompatibility complex molecules expressed in <i>Drosophila melanogaster</i> cells Proc. Natl. Acad. Sci. USA 89, 12117-12121.
MD	Kane KP, Goldstein SAN, Mescher MF (1988) Class I alloantigen is sufficient for cytolytic T lymphocyte binding and transmembrane signaling. Eur. J. Immunol. 18, 1925-1929.
MD	Kane KP, Mescher MF (1993) Activation of CD8-dependent cytotoxic T lymphocyte adhesion and degranulation by peptide class I antigen complexes. J. Immunol. 150, 4788-4797.
MD	Kato K, Radbruch A (1993) Isolation and characterization of CD34 ⁺ hematopoietic stem cells from human peripheral blood by high-gradient magnetic cell sorting. Cytometry 14, 384-392.
MD	Klavinskis LS, Tishon A, Oldstone MBA (1989) Efficiency and effectiveness of cloned virus-specific cytotoxic T lymphocytes in vivo. J. Immunol. 143, 2013-2016.
MD	Kranz DM, Tonegawa S, Eisen HN (1994) Attachment of an anti-receptor antibody to non-target cells renders them susceptible to lysis by a clone of cytotoxic T lymphocytes. Proc. Natl. Acad. Sci. USA 81, 7922-7926.
MD	Lau LL, Jamieson BD, Somasundaram T, Ahmed R (1994) Cytotoxic T-cell memory without antigen. Nature 369, 648-652.
MD	Luxembourg AT, Cooper NR (1994) Modulation of signaling via the B cell antigen receptor by CD21, the receptor for C3dg and EBV. J. Immunol. 153, 4448-4467.
MD	Matsui K, Jay Boniface J, Reay PA, Schild H, Fazekas de St. Groth B, Davis MM (1991) Low affinity interaction of peptide-MHC complexes with T cell receptors. Science 254, 1788-1791.
MD	Mescher MF (1995) Molecular interactions in the activation of effector and precursor cytotoxic T lymphocytes. Immunol. Rev. 146, 177-210.
MD	Moore MD, DiScipio RG, Cooper NR, Nemerow GR (1989) Hydrodynamic, electron microscopic, and ligand-binding analysis of the Epstein-Barr virus/C3dg receptor (CR2). J. Biol. Chem. 264, 20576-20582.
MD	Myers CD, Kriz MK, Sullivan TJ, Vitetta ES (1987) Antigen-induced changes in phospholipid metabolism in antigen-binding B lymphocytes. J. Immunol. 138, 1705-1711.
MD	Nakanishi M, Brian AA, McConnell HM (1983) Binding of cytotoxic T-lymphocytes to supported lipid monolayers containing trypsinized H-2K ^b . Mol. Immunol. 20, 1227-1231.
MD	Noelle RJ, Snow EC (1990) Cognate interactions between helper T cells and B cells. Immunol. Today 11, 361-368.
MD	Oehen S, Waldner H, Kündig TM, Hengartner H, Zinkernagel RM (1992) Antivirally protective cytotoxic T cell memory to lymphocytic choriomeningitis virus is governed by persisting antigen. J. Exp. Med. 176, 1273-1281.
MD	Radbruch A, Recktenwald D (1995) Detection and isolation of rare cells. Curr. Opin. Immunol. 7, 270-273.
MD	Ramensee HG, Friede T, Stevanovic S (1995) MHC ligands and peptide motifs: first listing. Immunogenetics 41, 178-228.
MD	Sawada K, Krantz SB, Dai CH, Koury ST, Horn ST, Glick AD, Civin CI (1990) Purification of human blood burst-forming units-erythroid and demonstration of the evolution of erythropoietin receptors. J. Cell. Physiol. 142, 219-230.
MD	Sha WC, Nelson CA, Newberry RD, Kranz DM, Russell JH, Loh DY (1988) Selective expression of an antigen receptor on CD8-bearing T lymphocytes in transgenic mice. Nature 335, 271-274.
MD	Snow EC, Noelle RJ, Uhr JW, Vitetta ES (1983b) Activation of antigen-enriched B cells. II. Role of linked recognition in B cell proliferation to thymus-dependent antigens. J. Immunol. 130, 614-618.
MD	Snow EC, Fetherson JD, Zimmer S (1986) Induction of the <i>c-myc</i> protooncogene after antigen binding to hapten-specific B cells. J. Exp. Med. 164, 944-949.
MD	Snow EC, Vitetta ES, Uhr JW. Activation of Antigen-Enriched B Cells. The Journal of Immunology, Vol. 130, No.2, February 1983.
MD	Stein P, Dubois P, Greenblatt D, Howard M (1986) Induction of antigen-specific proliferation in affinity-purified small lymphocytes: requirement for BSF-1 by type 2 but not type 1 thymus-independent antigens. J. Immunol. 136, 2080-2089.

[Handwritten signature] 2/17/07

	<p>Sun S, Cai Z, Langlade-Demoyen P, Brunmark A, Jackson MR, Peterson PA, Sprent J (1996) Dual function of Drosophila cells as APCs for naïve CD8⁺ T cells: implications for tumor immunotherapy. <i>Immunity</i> 4, 555-564.</p>
	<p>Swain, Susan L.; Huston, Gail; Tonkonogy, Susan; Weinberg, Andrew. Transforming Growth Factor-β and IL-4 Cause Helper T Cell Precursors To Develop Into Distinct Effector Helper Cells That Differ in Lymphokine Secretion Pattern and Cell Surface Phenotype. <i>The Journal of Immunology</i>, Vol. 147, 2991-3000, 1991.</p>
	<p>Sykulev Y, Brunmark A, Jackson M, Cohen RJ, Peterson PA, Eisen HN (1994a) Kinetics and affinity of reactions between an antigen-specific T cell receptor and peptide-MHC complexes. <i>Immunity</i> 1, 15-22.</p>
	<p>Sykulev Y, Brunmark A, Tsomides TJ, Kageyama S, Jackson M, Peterson PA, Eisen HN (1994b) High-affinity reactions between antigen-specific T-cell receptors and peptides associated with allogeneic and syngeneic major histocompatibility complex class I proteins. <i>Proc. Natl. Acad. Sci. USA</i> 91, 11487-11491.</p>
	<p>Tallquist MD, Pease LR (1995) Alloreactive 2C T cells recognize a self peptide in the context of the mutant K^{bm3} molecule. <i>J. Immunol.</i> 155, 2419-2426.</p>
	<p>Tallquist MD, Yun TJ, Pease LR (1996) A single T cell receptor recognizes structurally distinct MHC/peptide complexes with high specificity. <i>J. Exp. Med.</i> 184, 1017-1026.</p>
	<p>Ukada K, Wiesmüller KH, Kienle S, Jung G, Walden P (1996) Self-MHC-restricted peptides recognized by an alloreactive T lymphocyte clone. <i>J. Immunol.</i> 157, 670-678.</p>
	<p>Weber S, Traunecker A, Oliveri F, Gerhard W, Karjalainen K (1992) Specific low-affinity recognition of major histocompatibility complex plus peptide by soluble T-cell receptor. <i>Nature</i> 356, 793-796.</p>
	<p>Wilson HA, Greenblatt D, Poenie M, Finkelman FD, Tsien RY (1987) Crosslinkage of B lymphocyte surface immunoglobulin by anti-Ig or antigen induces prolonged oscillation of intracellular ionized calcium. <i>J. Exp. Med.</i> 166, 601-606.</p>
	<p>Wunderlich J, Shearer G (1991) Induction and measurement of cytotoxic T lymphocyte activity. In: "Current Protocols in Immunology" (Coligan JE, Kruisbeek AM, Margulies DH, Shevach EM, Strober W, eds.) John Wiley and Sons, New York, pp. 3.11.1 - 3.11.15.</p>
	<p>Zhang X, Giangreco L, Broome HE, Dargan CM, Swain SL (1995) Control of CD4 effector fate: transforming growth factor β1 and interleukin 2 synergize to prevent apoptosis and promote effector expansion. <i>J. Exp. Med.</i> 182, 699-709.</p>

Examiner: 	Date Considered: 2/17/01
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	